Index of Claims

Allowed

| Application/Control No. | Applicant(s)/Patent under<br>Reexamination |
|-------------------------|--|
| 10/0/7 707              | 14150001111                                |

10/647,707

Date

Jeffrey A. Shapiro

KUROSAWA, MOTOHARU

Examiner

Art Unit

3653

Rejected

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

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| Cla  | im                                     | Date           |  |           |              |          |           | $\neg$       |              |          |
| Cie  |  | Date           |  |           |              |          |           |              |              |          |
| Final  | Original                               | 3/19/06        |  |           |              |          |           |              |              |          |
|  | 1                                      | 1              | _  | Т         | $\vdash$     |          |           | $\vdash$     |              | $\dashv$ |
| <b>-</b>   | 1<br>2<br>3<br>4<br>5<br>6             |                |  |           |              |          |           |              |              |          |
|  | 3                                      |                |  |           |              |          |           |              |              |          |
|  | 4_                                     |                |  |           |              |          |           |              |              |          |
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| <u> </u>   | 6                                      |                |  |           |              |          |           |              |              | _        |
|  | 7                                      | _              | _  | _         | <u> </u>     | _        | _         |              |              | Ц        |
|  | 8                                      | _              |  | <u> </u>  | _            | _        |           |              |              |          |
| <u> </u>   | 9                                      |                | _  | ļ         | <u> </u>     | _        |           |              | Н            | _        |
| <u> </u>   | 10                                     | H              | ┝  | <u> </u>  | ⊢            | _        |           |              | _            | $\dashv$ |
|  | 11                                     | 1-             | <del> </del>                                     | $\vdash$  | $\vdash$     | -        |           | $\vdash$     | Н            | $\dashv$ |
| <del>                                     </del> | 12                                     | $\vdash$       | ├-   | $\vdash$  | -            | $\vdash$ | $\vdash$  | $\vdash$     | $\vdash$     | H        |
| <del> </del>                                     | 14                                     |                | $\vdash$   | $\vdash$  |              | $\vdash$ | -         | $\vdash$     | $\vdash$     | $\dashv$ |
| <u> </u>   | 12<br>13<br>14<br>15<br>16<br>17<br>18 |                | -  | $\vdash$  | $\vdash$     | $\vdash$ | $\vdash$  | -            |              | $\dashv$ |
|  | 16                                     | $\vdash$       |  |           | 1            | H        | $\vdash$  |              |              | Ħ        |
|  | 17                                     | T              | -  |           |              |          |           |              |              | П        |
|  | 18                                     | T              |  |           | 1            |          |           | T            |              | П        |
|  | 19                                     |                |  | $\Box$    | Γ            | 1        |           | Γ            |              |          |
|  | 20                                     |                |  |           |              |          |           |              |              |          |
|  | 19<br>20<br>21<br>22<br>23             | 1              |  |           |              |          |           |              |              |          |
|  | 22                                     |                |  |           |              |          |           |              |              | Ш        |
|  | 23                                     |                | L  |           | ļ            | <u> </u> |           |              | _            | Ш        |
|  | 24<br>25                               |                | <u> </u>   | ╙         | $oxed{oxed}$ | <u> </u> | _         |              |              | Ш        |
|  | 25                                     | <u> </u>       | <u> </u>   | <u> </u>  | _            | <u> </u> | <u> </u>  | _            |              | Ш        |
|  | 26<br>27<br>28<br>29                   | ļ              | <u> </u>   | ┡         | <b> </b>     | ├        | <u> </u>  | <u> </u>     | $\vdash$     | Щ        |
|  | 27                                     | ļ_             | _  | ┡         | -            | ├        | -         | <u> </u>     | ┡            | Н        |
|  | 28                                     | ₩              | _  | ├-        | ╄            | ⊢        | ⊢         | <del> </del> | $\vdash$     | Н        |
| -  | 29                                     | <del> </del>   | ┢  | $\vdash$  | ╁            | ╁        | ⊢         | ├-           | ├─           | Н        |
|  | 30<br>31                               | $\vdash$       | ┝  | ┢         | ┢            | ┢        | ┢         | ├            | $\vdash$     | Н        |
|  | 32                                     | -              | <del>                                     </del> |           | 1            | 1        |           | H            | ╁╌           | Н        |
| -  | 33                                     | <del> </del> - | T  | t         | $t^{-}$      | †        | $\vdash$  | T            |              | Н        |
| -  | 33<br>34                               | T              | T  | $\vdash$  | T            |          | Г         |              |              | П        |
|  | 35                                     | 1              |  | Γ         |              |          |           |              |              |          |
|  | 36                                     |                |  |           |              |          |           |              |              |          |
|  | 37                                     |                |  | Ĺ         |              | L        | $oxed{-}$ | $\perp$      | _            | Ш        |
|  | 38<br>39                               | $\perp$        |  | L         | <u> </u>     |          | _         | $\perp$      | $oxed{\Box}$ | Ш        |
| <u></u>  | 39                                     | 1              |  | _         | ↓            | ┞        | $\vdash$  | <b> </b>     | <u> </u>     | Щ        |
| L  | 40                                     | 1              | _  | 1         | 1            | ـ        | $\vdash$  | ऻ_           | <u> </u>     | $\vdash$ |
|  | 41                                     | +-             | -  | $\vdash$  |              |          | ⊢         | -            | -            | $\vdash$ |
| <u> </u>   | 42<br>43                               | <u> </u>       | ┢  | ╁         | +            | +        | ├-        | -            | ⊢            | Н        |
|  | 44                                     | ╁              | ╁  | ╁         | +            | $\vdash$ | ┼─        | ╁            | -            | $\vdash$ |
| -  | 45                                     | +              | ╁╌   | ╁         | +            | +        | $\vdash$  | 1            | ┢╾           | Н        |
| <u> </u>   | 46                                     | +-             | ╁  | +         | +            | ╁        | ╁╾        | ╁╌           | 1            | Н        |
|  | 47                                     | +-             | T  | $\dagger$ | +            | +-       |           | t            | 1-           | Н        |
| _  | 48                                     | +              | t  | T         | $\vdash$     | 1        | t         | T            | <b>†</b>     | П        |
|  | 49                                     | 1              | T  | T         | $\top$       | T        | 1         | T            | T            | П        |
|  | 50                                     | 1              | T  |           | T            |          | İ         |              | Γ            |          |
|  |  | _              | _  |           | _            | _        |           | _            | _            |          |

| Cla             | Ciaim          |  | Date           |  |                |  |  |                |              |              |  |  |
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| Final           | Original       |  |                |  |                |  |  |                |              |              |  |  |
| $\vdash$        | 51             |  |                |  |                |  |  |                | _            |              |  |  |
|                 | 52             |  |                | П  |                |  |  |                |              |              |  |  |
|                 | 52<br>53       | $\Box$   |                |  |                |  |  |                |              |              |  |  |
|                 | 54             | Н  |                |  | П              |  | П  | _              | $\Box$       |              |  |  |
| $\vdash \vdash$ | 54<br>55       | Н  |                |  | $\vdash$       | Т  | $\vdash$   |                | $\vdash$     |              |  |  |
|                 | 56             |  |                | $\vdash$   | $\vdash$       | _  |  |                |              | _            |  |  |
| -               | 57             |  |                | <del>                                     </del> | т              | Ι  | П  | Н              |              |              |  |  |
|                 | 58             | Н  |                | H  | $\vdash$       | T  | $\vdash$   |                |              |              |  |  |
|                 | 59             | $\vdash$   |                | Ι-   | $\vdash$       | $\vdash$   |  |                |              |              |  |  |
|                 | 60             | _  | _              | $\vdash$   | _              | $\vdash$   |  |                |              |              |  |  |
|                 | 61             |  |                | $\vdash$   | $\vdash$       | <del>                                     </del> | Н  |                |              | -            |  |  |
|                 | 62             | <del>                                     </del> | -              | $\vdash$   | $\vdash$       | $\vdash$   | ┪  | М              |              | _            |  |  |
|                 | 63             | $\vdash$   | _              | <del>                                     </del> | $\vdash$       |  | $\vdash$   |                |              |              |  |  |
| -               | 64             |  | $\vdash$       | $\vdash$   | ╁              | $\vdash$   | <del>                                     </del> |                | $\vdash$     | -            |  |  |
| -               | 65             | -  | <del> </del>   | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$   | Н              | -            | -            |  |  |
| -               | 66             | _  | $\vdash$       | $\vdash$   | -              | $\vdash$   | $\vdash$   | H              | Н            | Η-           |  |  |
| <u> </u>        | 67             | $\vdash$   | <del>  -</del> | $\vdash$   | $\vdash$       | -  | $\vdash$   | $\vdash$       | Н            | $\vdash$     |  |  |
|                 | 68             | $\vdash$   | -              | -  | $\vdash$       | $\vdash$   | $\vdash$   | $\vdash$       | $\vdash$     | ┢            |  |  |
| -               | 69             | -  | <del> </del>   | $\vdash$   | -              | $\vdash$   | $\vdash$   | $\vdash$       |              | $\vdash$     |  |  |
| -               | 70             | 1  | $\vdash$       | -  | $\vdash$       | $\vdash$   |  | <del> </del>   | $\vdash$     | $\vdash$     |  |  |
|                 | 71             |  | $\vdash$       | $\vdash$   | $\vdash$       | -  | $\vdash$   | $\vdash$       | ┢─           | $\vdash$     |  |  |
| -               | 72             | ┢  | $\vdash$       | $\vdash$   | -              | $\vdash$   | $\vdash$   | $\vdash$       | $\vdash$     | -            |  |  |
|                 | 71<br>72<br>73 | ├  | -              | -  | $\vdash$       | ⊢  | 1  | ⊢              | $\vdash$     | $\vdash$     |  |  |
| -               | 74             | -  | $\vdash$       | $\vdash$   | -              | ⊢  | ╁  | $\vdash$       | ⊢            | -            |  |  |
| $\vdash$        | 74<br>75       | $\vdash$   | $\vdash$       | -  | -              | ╁  | <del> </del>                                     | ├-             | -            | $\vdash$     |  |  |
| <u> </u>        | 75             | $\vdash$   | ⊢              | ├  | $\vdash$       | -  | $\vdash$   |                |              | ├            |  |  |
|                 | 76<br>77       | ├  | ⊢              |  | ⊢              | $\vdash$   | ⊢  | ├              |              |              |  |  |
| -               | 70             |  | <u> </u>       | $\vdash$   | -              | $\vdash$   | ├  | $\vdash$       | $\vdash$     | <u> </u>     |  |  |
|                 | 78             | -  | $\vdash$       | ⊢-   | $\vdash$       | $\vdash$   | ⊢  | ├              | $\vdash$     | $\vdash$     |  |  |
|                 | 79             | <del> </del>                                     | ├-             | <u> </u>   | <del> </del> — | ├  | $\vdash$   | <del>  -</del> |              | $\vdash$     |  |  |
|                 | 80             | <u> </u>   | $\vdash$       | <u> </u>   | <u> </u>       | -  | $\vdash$   | <del>  -</del> | <del> </del> | _            |  |  |
|                 | 81             | $\vdash$   | ļ              | <del> </del>                                     | $\vdash$       | <del> </del> —                                   | ├-   | <u> </u>       | <u> </u>     |              |  |  |
| <b> </b>        | 82<br>83       | <b> </b>   | <u> </u>       | $\vdash$   | ــ             | ₩  |  | <u> </u>       |              |              |  |  |
|                 | 83             | <b> </b>   | L.             | ▙  | -              | ⊢  | ₩  | ⊢              |              |              |  |  |
| <u> </u>        | 84             | $\vdash$   | -              | 1—   | ـ              | ₽  | <b>├</b> -                                       | <b> </b>       | <u> </u>     | _            |  |  |
| <u> </u>        | 85             | ⊬  | $\vdash$       | <b> </b>   |                | 1  | ┞  | -              | -            | 1            |  |  |
| <u> </u>        | 86             | ₩  | <del> </del> _ | <u> </u>   | <u> </u>       | ₩  | <u> </u>   |                | ⊢            | $\vdash$     |  |  |
| <u> </u>        | 87             | <u> </u>   | <u> </u>       | <del> </del> _                                   |                | ╀  | 1-   | ⊢              | ⊢            | $\vdash$     |  |  |
|                 | 88             | <b>├</b>   | ⊢              | $\vdash$   | ┞              |  | $\vdash$   | <b>⊢</b>       | ₩            | ⊢            |  |  |
| ļ               | 89             | <u> </u>   | ├              | _  | <b> </b>       | ┼  | $\vdash$   | $\vdash$       | <b> </b>     | <del> </del> |  |  |
| <u> </u>        | 90             | _  | $\vdash$       | <del> </del>                                     | <b>L</b>       |  | ┞-   |                | $\vdash$     | <del> </del> |  |  |
|                 | 91             | _  | $\vdash$       | 1_   | ₩              | ╀-   | ╄  | <del> </del>   | $\vdash$     | $\vdash$     |  |  |
| _               | 92             | <b>—</b>   | $\vdash$       | 1  | ↓_             | 1  | 1  | <del>  _</del> | <del> </del> | ↓_           |  |  |
|                 | 93             | ऻ  | ┺              | 1  | ــــ           | 1  | 1  | ├-             | $\vdash$     | $\vdash$     |  |  |
| _               | 94             | <b>!</b>   | ┞              | <del> </del>                                     | 4              |  | ↓_   | ₩              | _            | $\vdash$     |  |  |
| <u> </u>        | 95             |  |                | $\vdash$   | ₩              | ــــــــــــــــــــــــــــــــــــــ           | <u> </u>   | <u> </u>       | ₩            | ₽            |  |  |
|                 | 96             | 1  |                | ↓_   | ↓              | ļ  | ↓_   | 1              | 1            | ┡            |  |  |
| L               | 97             | _  | L              | 1_   | $\perp$        | <u>_</u>   | ┺  | 1              | <u> </u>     | ┖            |  |  |
| <u> </u>        | 98             | $\perp$  | $\perp$        | $\perp$  | $\perp$        | $\perp$  | _  | ــــ           | <u> </u>     | 1            |  |  |
|                 | 99             | 1  | <u> </u>       | $\perp$  | Ļ              | $\perp$  | 1  | _              | _            | <u> </u>     |  |  |
|                 | 100            |  |                |  | <u> </u>       |  | 1_   | <u>L_</u>      | 丄            | _            |  |  |

| Cli      | aim                             |  |          |  |  | Date         |          | _  |  |          |
|----------|---------------------------------|--|----------|--|--|--------------|----------|--|--|----------|
|          |                                 |  |          |  |  |              |          |  |  | $\neg$   |
| Final    | Original                        |  |          |  |  |              |          |  |  |          |
|          | 101                             |  |          |  |  |              |          |  |  |          |
|          | 102                             |  |          |  |  |              |          |  |  |          |
|          | 102<br>103                      |  |          |  |  |              |          |  |  |          |
|          | 104                             |  |          |  |  |              |          |  |  |          |
|          | 104<br>105                      |  |          |  |  |              |          |  |  |          |
|          | 106                             |  |          |  |  |              |          |  |  |          |
|          | 107                             |  |          |  |  |              | _        |  | Ц  |          |
|          | 108<br>109                      | _  |          |  |  | $oxed{oxed}$ |          |  | Ш  | $\dashv$ |
|          | 109                             |  |          |  |  | <u> </u>     | _        |  | Ш  | Щ        |
|          | 110<br>111                      | H  | $\vdash$ | _  | _  | -            | <u> </u> |  | Н  | $\dashv$ |
|          | 111                             | -  | $\vdash$ |  |  | H            | -        | H  | H  | $\dashv$ |
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| -        | 115                             | $\vdash$   | $\vdash$ | -  |  |              |          | $\vdash$   | Н  |          |
|          | 115                             | ┝  |          |  |  | H            |          | $\vdash$   |  |          |
|          | 117                             | -  |          |  | _  |              |          | <u> </u>   |  |          |
|          | 118                             | $\vdash$   | $\vdash$ | <del>-</del>                                     |  |              |          |  | $\vdash$   | П        |
|          | 118<br>119                      |  | -        | <del>                                     </del> |  |              | $\vdash$ | <del>                                     </del> |  |          |
|          | 120                             |  |          | Т  |  |              |          | Г  |  |          |
|          | 121                             | Г  |          |  | Г  | 7            |          |  |  |          |
|          | 122                             |  | Г        |  |  |              |          |  |  |          |
|          | 121<br>122<br>123<br>124<br>125 |  |          |  |  |              |          |  |  |          |
|          | 124                             |  |          |  |  |              |          |  |  |          |
|          | 125                             |  | L        |  |  |              |          |  |  |          |
|          | 126<br>127<br>128               | 乚  | 匚        | <u>L</u>   | _  |              |          |  |  | Ш        |
|          | 127                             | <u> </u>   | L        |  | <u> </u>   | ╙            | _        | _  | <u> </u>   |          |
| L        | 128                             | _  | ļ        | <u>L</u>   | _  | $\vdash$     | <u> </u> | <u> </u>   | _  | Ш        |
|          | 129<br>130                      | <u> </u>   | <u> </u> | _  | _  | ↓            | _        | <u> </u>   | L  | Щ        |
|          | 130                             | <u> </u>   | ├        | ├  |  |              | <u> </u> | -  | ┞  | Н        |
| <u> </u> | 131                             | ⊢  | ⊨        | <del> </del>                                     |  | ┢            | ├        | ⊢  | ├  | $\vdash$ |
| <u> </u> | 132<br>133                      | ⊨  | ├        | <del> </del>                                     | -  | -            | ┢        | ⊢  | <del>                                     </del> | Н        |
|          | 134                             | ┢  | ├        | ├  | ╁  | -            | ├        | <del>                                     </del> | ┢╌   | Н        |
|          | 134<br>135                      | ├  | $\vdash$ | ┢╌   | $\vdash$   | -            | ┢        | <del>  -</del>                                   | $\vdash$   | H        |
|          | 136                             | ┢  | $\vdash$ | ┢  | <del>                                     </del> | +-           | $\vdash$ | ╁  | ┢  | H        |
| <u> </u> | 137                             | <del> </del>                                     | ╁╴       | ┼  | $\vdash$   | 1            | $\vdash$ | <del>                                     </del> | $\vdash$   | Н        |
|          | 138                             | <u>├</u>   | T        | T  | <del>                                     </del> | Т            |          | T  |  |          |
|          | 139                             | <del>                                     </del> | 1        | 1  |  | $\vdash$     | T        | T  | 1  | $\Box$   |
|          | 140                             |  | Γ        | 1  |  |              |          |  |  |          |
|          | 141                             |  | L        | L  | Γ  |              |          |  |  |          |
|          | 142                             |  |          |  |  |              |          |  |  |          |
|          | 143                             |  |          |  |  |              |          |  |  |          |
|          | 144                             |  |          |  |  |              | 匚        |  |  |          |
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|          | 146                             | _  | <u> </u> | <u> </u>   | Ļ  | <del> </del> | ╙        | ↓_   | <u> </u>   | L        |
| L        | 147                             | ┺  | 1        | ┞  | <del> </del>                                     | lacksquare   | $\vdash$ | ↓_   | ↓_   | $\vdash$ |
| L        | 148                             | ╄  | 1        | $\perp$  |  | 1            | 1-       | $\vdash$   | ↓_   | $\vdash$ |
|          | 149                             | <b>L</b>   | $\vdash$ | $\vdash$   |  | $\vdash$     | ┼        | $\vdash$   | ├-   | ├-       |
|          | 150                             | 1_   | $\perp$  | 1_   | _  | <u> </u>     | L        | 1_   | 1_   |          |